OPENMAT - XL Entrance Test for Management Programmes 2016 October, 2016

Total No. of Questions: 200

Time: 180 Minutes

- All questions are Compulsory.
- Use of calculator is *not* allowed. Rough work may be done in the space provided at the end of the Test Booklet.
- The Test Booklet has the following four tests:

Test - I General Awareness

No. of Questions 30

Test - II English Language

No. of Questions 50

Test - M / Quantitative Aptitude

No. of Questions 50

Test - IV Reasoning

No. of Questions 70

Read the instructions given on the OMR Response Sheet carefully before you start.

How to fill up the information on the OMR Response Sheet (Examination Answer Sheet)

- 1. Write your complete enrolment no. in 9 digits. This should correspond to the enrolment number indicated by you on the OMR Response Sheet. Also write your correct name, address with pin code in the space provided. Put your signatures on the OMR Response Sheet with date. Ensure that the Invigilator in your examination hall also puts his signatures with date on the OMR Response Sheet at the space provided.
- 2. On the OMR Response Sheet student's particulars are to be filled in by pen. However use HB pencil for writing the Enrolment No. and Examination Centre Code as well as for blackening the circle bearing the correct answer number against the serial number of the question.
- 3. Do not make any stray remarks on this sheet.
- 4. Write correct information in numerical digits in Enrolment No. and Examination Centre Code Columns. The corresponding circle should be dark enough and should be filled in completely.
- 5. Each question is followed by four probable answers which are numbered 1, 2, 3 and 4. You should select and show only one answer to each question considered by you as the most appropriate or the correct answer. Select the most appropriate answer. Then by using HB pencil, blacken the circle bearing the correct answer number against the serial number of the question. If you find that answer to any question is none of the four alternatives given under the question, you should darken the circle with '0'.
- 6. If you wish to change your answer, ERASE completely the already darkened circle by using a good quality eraser and then blacken the circle bearing your revised answer number. If incorrect answer is not erased completely, smudges will be left on the erased circle and the question will be read as having two answers and will be ignored for giving any credit.
- No credit will be given if more than one answer is given for one question. Therefore, you should select the most appropriate answer.
- 8. You should not spend too much time on any one question. If you find any particular question difficult, leave it and go to the next. If you have time left after answering all the questions, you may go back to the unanswered ones. There is no negative marking for wrong answers.

GENERAL INSTRUCTIONS

- 1. No cell phones, calculators, books, slide-rules, note-books or written notes, etc. will be allowed inside the examination hall.
- You should follow the instructions given by the Centre Superintendent and by the Invigilator at the examination venue. If you violate the instructions, you will be disqualified.
- 3. Any candidate found copying or receiving or giving assistance in the examination will be disqualified.
- 4. The Test Booklet and the OMR Response Sheet (Answer Sheet) would be supplied to you by the Invigilators. After the examination is over, you should hand over the OMR Response Sheet to the Invigilator before leaving the examination hall. Any candidate who does not return the OMR Response Sheet will be disqualified and the University may take further action against him/her.
- 5. All rough work is to be done on the test booklet itself and not on any other paper. Scrap paper is not permitted. For arriving at answers you may work in the margins, make some markings or underline in the test booklet itself.
- 6. The University reserves the right to cancel scores of any candidate who impersonates or uses/adopts other malpractices or uses any unfair means. The examination is conducted under uniform conditions. The University would also follow a procedure to verify the validity of scores of all examinees uniformly. If there is substantial indication that your performance is not genuine, the University may cancel your score.
- 7. In the event of your qualifying the Entrance Test, the hall ticket should be enclosed with your admission form while submitting it to the University for seeking admission in Management Programmes along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

TEST - I GENERAL AWARENESS

1.	(1) The President of India (2)	the Supreme Court of India is vested in The Chief Justice of India The Parliament
2.	(1) Tropical rain forest (2)	eak' is a dominant tree species in India ? Tropical thorn scrub forest Temperate forest with grasslands
3.	 Turkey is located between: (1) Black sea and Caspian sea (2) Black sea and Mediterranean sea (3) Gulf of Suez and Mediterranean sea (4) Gulf of Aqlaba and Dead sea 	
4.	Disguised unemployment generally means: (1) Marginal productivity of labour is zero (2) Large number of people remain unemplo (3) Alternative employment is not available (4) Productivity of workers is low	yed
5.	 Which one of the following describes best the c (1) The complete annihilation of self (2) A state of bliss and rest (3) The extinction of the flame of desire (4) A mental stage beyond all comprehension 	
6.	Acid rain is caused by the pollution of enviror (1) Carbon dioxide and Nitrogen (2) Nitrous oxide and Sulphur dioxide (3) Carbon monoxide and Carbon dioxide (4) Ozone and Carbon dioxide	nment by the
7.	(1) G.V. Mavalankar (2) H	łukam Singh J.N. Dhebar
8.	(1) Balban (2) F (3) Muhammad bin Tughlaq (4) I	dia during the reign of : Teroz Tughlaq Itutmish
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9.		th one of the follogress resulting in							e Indian National	
	(1)	Quit India Move		_	(2)		deshi Movemen			
	(3)	Civil Disobedien	ce Mo	ovement	(4)	Non	-cooperation Mo	ovemer	nt	
10.	The :	leader of the Bard	loli S	atyagraha ((1928)	was :				
	(1)	Vithalbhai J. Pat	el		(2)		atma Gandhi		•	
	(3)	Sardar Vallabhb	hai P	atel	(4)	Mah	adev Desai			
11.	Whi	ch of following is	neare	est to the Ed	quator	?				
	(1)	Colombo	(2)	Jakarta		(3)	Manila	(4)	Singapore	
12.	Whi	ch of the followin	g Plai	nets has lar	gest n					
	(1)	Saturn	(2)	Jupiter		(3)	Mars	(4)	Venus	
13.	Whi	ch one of the follo	wing	countries l	has the	e high		lensity	?	
	(1)	Nepal	(2)	India		(3)	Pakistan	(4)	Sri Lanka	
14.	Whi meet		ing h	aills are fo	und v			nats ar	nd Western Ghats	
	(1)	Annamalai Hills	;		(2)	Srisa	ilam Hills			
	(3)	Nilgiri Hills			(4)	Shev	oroy Hills			
15.		became the first ket ?	batsı	nan to scor	e mor	e thar	n 1,000 runs in a	ın inni	ngs in any form of	
	(1)	Ravindra Wade			(2)	Mob	oin Sheikh			
	(3)	Prithvi Shaw			(4)	Prar	nav Dhanawade	!		
16.		World Braille Day								
	(1)	4 th January	(2)	6 th July		(3)	8 th August	(4)	21 st October	
17.	Whi	ch of the followin	g cou	ıntries a ne	w Parl	iamer	nt building is bui	ilt by I	ndia ?	
	(1)	Bhutan	(2)	Nepal		(3)	Maldives	`(4)	Afghanistan	٠
18.	Wha	at is the mascot of	the 2	2016 South	Asian	Game	es ?			
	(1)	Chikor	(2)	Tikhor		(3)	Shera	(4)	Appu	
19.	'On	my Terms : From	the C	Grassroots t	o the	corrid	ors of power', is	the au	tobiography of :	
	(1)	Narendra Modi			(2)	P.V.	Narasimha Rac)		
	(3)	Sharad Pawar			(4)	K. (Chandra Sekhar	Rao		
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20.		h of the following of world records		mes of Governmen	nt of I	ndia has been rec	ognise	ed by the Guinness
	(1)	Direct Benefit tra	ansfer	on LPG				
	(2)	Pradhan Mantri	Jan I	Dhan Yojana				
	(3)	Pradhan Mantri	Awa	s Yojana				
	(4)	Atal Mission for	Reju	venation and Urb	an Ti	ransformation		
21.	Nutr	ients essential for	plani	t growth are retur	ned t			
	(1)	Decomposer	(2)	Herbivores	(3)	Producers	(4)	Carnivores
					_			
22.		**		in a human body				• 40
	(1)	230	(2)	300	(3)	206	(4)	260
0.0	Y A 77	-1 6 11 - 6-11	الدعنا	no haudoot alaman	£ 2			
23.	(1)	Copper	g 15 u (2)	ne hardest elemen Iron	(3)	Diamond	(4)	Silicon
	(1)	Соррег	(4)	HOIL	(5)	Diminoria	(*)	
24.	A tra	nsformer is used	to:					
	(1)	Increase DC vol		(2)	Incre	ease or decrease A	AC vo	ltage
	(3)	Decrease DC vo	_	(4)	Con	version of DC int	o AC	•
	. ,							
25.	The:	science of rainfall	is kn	own as :				
	(1)	Hyetology	(2)	Koniology	(3)	Hydrology	(4)	Hippology
26.		instrument for m		-		*** ** · · ·	745	D C.
	(1)	Diagometer	(2)	Dromometer	(3)	Delinometer	(4)	Durometer
07	T 1 77 ·	1 (1) (1)		tuine in the suc	l	lawaret cotton ny	oduce	or in the crop year
27.		ch of the follows: ./2015 ?	ng co	untries is the wo	ria s	largest cotton pr	ouuce	er in the crop year
	(1)	USA	(2)	India	(3)	Australia	(4)	China
	(~)		(-)		` /		` '	
28.	'Ma	dhesi′ people v	who	are recently in	new	s belong to wl	nich	of the following
		ntry?						
	(1)	Bangladesh	(2)	Sri Lanka	(3)	Nepal	(4)	Bhutan
					7 7	0	:	-t musicat in Disital
29.		ch of the followin a initiative ?	g citie	es has been selecte	ed by	the microsoft for	its pii	ot project in Digital
	(1)	Surat	(2)	Varanasi	(3)	Hyderabad	(4)	Ahmedabad
	(+)	Jarac	(~)	,	(~)		(-)	
30.	Wha	at is the Swachh l	3hara	t cess on services	?			
	(1)	0.5%	(2)	1.0%	(3)	1.5%	(4)	0.25%
	` /		. ,		, ,	•		
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TEST - II ENGLISH LANGUAGE

Directions for question number 31 to 45:

This section consists of two passages followed by questions based on the content of the passages. Answer the question following each passage on the basis of what is stated or implied in the passage.

Passage I (Questions 31 to 37)

In India, we currently do not have any flexibility of including cross-disciplinary courses for degrees like engineering, computing or informatics.

Even the professors within different departments of an engineering institute literally don't talk to each other. This further cloistered culture and lack of communication among faculty, students, and researchers from different departments severely cramps the cultivation of divergent and lateral thinking, which is key to disruptive and 'out-of-the-box' thinking that is well-conceded to be the bedrock of all innovation, especially so, for scientific breakthroughs.

Steeped in tradition and theoretical overdrive, there are too many mandatory domain subjects and hardly any attention or emphasis is given to courses that can be chosen on the basis of a student's curiosity, concern, or passion.

The so-called rigor of technical courses creates further intimidating barriers for the youth who, fearing the over-technical nature of these courses, do not opt for them. Technical courses like engineering, currently account for not more than 10 percent enrolments. Therefore, creating flexibility and allowing a healthy choice of courses from the liberal arts would certainly encourage students, especially girls, to enroll for these significant science streams, and not have to take up the pure arts courses for lack of choice and for fear of failure in the over-technical courses.

To expand reach, therefore, we need a range of measures, like, reach out to those who drop out after 12th or start working as they need to do so for a living; also urge the government to consider hybrid degree programs, which allow these youth to pursue an engineering degree while working.

In the hybrid mode, engineering/science practicals can be conducted in various physical sites of universities across the country, and the student should be able to opt for a conveniently connected location. The theory component of the curriculum as well as its exams and evaluation can be put online for students to complete their courseware in anywhere, anytime mode.

This independence, apart from being practical and convenient, will also make our youth self-directed and self-motivated learners. Such an intervention will also increase capacity, as it will allow the youth to be usefully employed in the industry and also stay connected to their degree pathway, thus keeping open an integral avenue for their further growth. Universities will need to provide structured options of hybrid models to make students aware of such kind of possibilities of learning in hybrid and flexible modes.

- 31. The word 'cloistered' from paragraph two is closest in meaning to:
 - (1) shunted

(2) sheltered from outside

(3) prohibited area

(4) free for all

32.	In In	dia at present we allow profession	al cou	arses to be combined with :			
	(1)	other professional courses	(2)	humanities			
	(3)	pure mathematics	(4)	no other courses			
33.	The	passage mainly focuses on :					
	(1)	the rigour of our engineering cou	ırses.				
	(2)	scientific breakthroughs in our u	nivers	sities.			
	(3)	lack of flexibility to include interest	discip	linary courses.			
	(4)	independent thinking of teachers	5.				
34.	All t	the following are mentioned in the	pass	age EXCEPT :			
	(1)	students' unwillingness to take o	ross -	disciplinary courses.			
	(2)	lack of flexibility to offer cross-di	iscipli	nary courses.			
	(3) lack of communication among teachers, students and researchers of different departments.						
	(4)	barriers created for students of t	echni	cal courses.			
35.	The	style of the passage is :					
55,		persuasive (2) argumen	tative	(3) narrative (4) expository			
	(1)	persuasive (2) argument		(0)			
36.	The	e best possible title for the passage	would	d be:			
	(1)	technical courses in India.					
	(2)	evaluation methods in higher ed	ducat	ion.			
	(3)	inflexibility of Indian technical	educa	ition.			
	(4)	hybrid models of engineering co	ourses	3.			
37.	In t	the context of the passage, the wo	rd 'in	dependence' in the last paragraph means :			
	(1)	, , , , , , , , , , , , , , , , , , , ,	(2)	and the second s			
	(3)		(4)				
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A Constitution, according to Ambedkar, was "merely a mechanism for the purpose of regulating the work of the various organs of the state", and "a mechanism whereby particular members of particular parties are installed in office". The Constitution should not "tie down" the people of the country to live in a particular type of society. He raised such fundamental problems as the policy of the state, the social and economic organisation of society, and the adoption of new policies by the people in consonance with the needs of the changing times. According to him, all these matters should not be laid down in the Constitution itself; because that would be "destroying democracy altogether". If it was stated in the Constitution, he added, that the social organisation of the state should take a particular form, that would take away the liberty of the people to decide what should be the social organisation in which they might wish to live.

Ambedkar was elected to the Constituent Assembly of India by the members of the West Bengal Legislative Assembly though he was defeated in Bombay. He was elected on the Drafting Committee and later appointed its chairman. The other members being N. Gopalaswami Ayyangar, Sir Alladi Krishnaswami Ayyar, K.M. Munshi, Sir Muhammad Sadulla, N. Madhava Menon and D.P. Khaitan, with B.N. Rau as the constitutional adviser.

The Constituent Assembly first met on 9 December 1946. On 15 August 1947, it became the Sovereign Constituent Assembly of free India. The first draft of the Constitution was presented on 4 November 1948, and the final Constitution was adopted on 26 November, 1949. During the long period of more than three years, the course took different turns. Ambedkar, as chairman of the Drafting Committee, piloted it. He did his job confidently. But for that the backing of a strong united party was necessary. The Congress Party was praised by him for this job. He said that the Congress Party inside the Assembly brought into its proceedings a sense of order and discipline. He gave all the credit to the Congress Party for the smooth sailing of the Constitution in the Assembly.

Ambedkar's tribute to the Congress Party was a calculated one. He was a relentless opponent and uncompromising critic of the Indian National Congress in its policies towards his community. In the opening session of the Assembly he was one of the very few who opposed the Objectives Resolution moved by Nehru. But subsequent developments culminating in the partition of the country made him realise that political realism demanded a moderate attitude on his part towards those who had in their hands effective political power. The Congress leaders responded to this gesture so generously that they elected him the chairman of the Drafting Committee.

Ambedkar's main objective in entering the Constituent Assembly was to safeguard the interests of the scheduled castes. He said that he had not the ambition of drafting the Constitution. He was surprised when he was elected on the Drafting Committee and moreover its chairman. On another occasion he urged his followers to look to the welfare of their community, and not to lose sight of their duty towards the preservation of our independence and told them that "the course of political events is changed now".

It was charged in the Constituent Assembly that the Draft Constitution was a copy of the Government of India Act, 1935. Ambedkar replied: "There is nothing to be ashamed of in borrowing. It involves no plagiarism." He explained that the problem in 1935 was a redistribution of the powers of the British government in India to reconcile the Indian demand for full self-government, and the British determination was to keep India under their control. That act was full of compromises. It was implemented in 1937. It was suitably modified to become the Constitution of the Dominion of India between 15 August 1947 and 26 January 1950. In his opinion to appoint a Constituent Assembly was superfluous. All that was necessary was to delete those sections of the Government of India Act which were inconsistent with dominion status. The only work in the Constituent Assembly was to find out the solution of the communal problem. As regards the residuary powers, he remarked that the provision contained in the present Government of India Act, 1935, could be adopted as the best compromise.

- 38. The best possible title for the passage would be:
 - (1) Ambedkar vs. Indian National Congress
 - (2) Ambedkar and Nehru
 - (3) Ambedkar's contribution to the drafting of Indian Constitution
 - (4) Ambedkar's struggle for the cause of the scheduled castes
- 39. Amedkar's view of the constitution was:
 - (1) The constitution should guide the people to live in a particular type of society.
 - (2) People should achieve their aspirations within the permitted limits.
 - (3) The constitution should not lay down policies of the state on social and economic matters.
 - (4) A mechanism for the purpose of regulating the work of various organs of the state.
- 40. One of the following was not a member of the Drafting Committee of the Constitution:
 - (1) Gopala Swami Ayyangar
- (2) Sir Muhammad Sadulla

(3) N. Madhaya Menon

- (4) Dr. V.K.R.V. Rao
- 41. The main reason for Dr. Ambedkar's joining the Constituent Assembly was:
 - (1) Jawaharlal Nehru's persuasion to Ambedkar.
 - (2) To safeguard the interests of the scheduled castes.
 - (3) Congress party's generous approach towards Ambedkar.
 - (4) To prevent free India from further break-up.
- 42. Ambedkar defended:
 - (1) The Government of India Act, 1937.
 - (2) Borrowing portions from the Government of India Act, 1935.
 - (3) The constitution of the Dominion of India without any changes.
 - (4) Drafting an entirely a new constitution.

4 3.		nal constitutior 1946	was adopted : (2) 1947	in:	(3)	1948	(4)	1949	
44.	(1) (2) (3)	Ambedkar was Ambedkar was Ambedkar gav	lowing is not trelected to Cons a relentless credit to due credit to the Core bute to the Core	tituent As: itic of the Nehru w	Cong hile o	gress. Irafting the	Constituti		ssembly.
45.	(1)	vriter of the pass economist political scient	ssage is most li	kely a/an (2) (4)	SOCI	ologist nropologist			
Eacl Froi	n of the m amo ital lett	ese questions on ng the alternat ers in each cas	number 46 to 5 onsists of a wo ives, choose the	ard in can	oital l nost i	etters follov nearly simi	wed by fou lar in mea	r alternativ	e words. word in
46.	NOS (1) (3)	TALGIC : outdated recollection		(2) (4)		ing for the nembering (
47.	MAY (1) (3)	YHEM : complete disc free for all	order	(2) (4)		lent clashe b violence	S		
48.	NOS (1) (2) (3) (4)	a person with someone inte one who asks	a long nose rested too muc too many que suspects ever	stions	's aff	airs			
49	. OU (1) (3)		ger and shock bout something	(2) (4)		concerned ovocative	about othe	rs	
50	. PRI (1) (2) (3) (4)	necessary de		or someth	ning t	o happen			

From	amoı	ese questions cor ng the alternative ers in each case.	sists s, cho	of a word in	n capi rd mo	tal le st ne	tters followed by arly opposite in	y four meani	alternative words. ing to the word in
51.	INNO	OCUOUS :							
	(1)	tasteful	(2)	innocent		(3)	harmful	(4)	indifferent
52.	NEB	ULOUS :							
	(1)	free	(2)	modern		(3)	concrete	(4)	indiscriminate
53.	OVE	RLAP:							
	(1)	on top of someo	ne's l	ap	(2)	disti	nct		
	(3)	inevitable			(4)	to co	over part of the s	same sp	pace
54.	RETA	ARD:							
	(1)	slow down	(2)	bring dow	'n	(3)	fast progress	(4)	sleepy
55.	RETI	ROSPECT:							
	(1)	think about the	past		(2)	revi	ew your actions		
	(3)	think about the	futur	e	(4)	criti	cally evaluate		
Dire	ctions	s for question nu	ımbeı	56 to 60 :					
word	of the ls. In whole	each case select t	isists (he set	of a sentence of words fo	e with or each	two blan	blanks, followed k that best fits th	by fou e mear	ar alternative set of ning of the sentence
56.			pend		on a j	acket	, I could not		_ to my conscience.
	(1)						much money		
	(3)						e than ten minu		
57.	She	quickly	he	er speech be	efore _		stage.		i
	(1)	practised de			(2)		over going	on	
	(3)	finished en			(4)	wer	nt out she cli	mbed	
58.	The	film vividly port	ravs		in the	Lone	don of the early	***	
	(1)	one or two mer	-		(2)		ne crazy ideas		,
	(3)	the seamy side		_	(4)		commercial firm		

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Directions for question number 51 to 55:

59.		people find their unive	rsity years			_ but inevitably _		things do go
	wron	g. from one to three a	e always					
	(1)							
	(2)	as undergraduates						
	(3)	least exciting most among the most memo			me to	n time		
	(4)	among the most memo	rable 11	OIII L				
60.	Plagi	iarism is a a	ınd, to avoi	d do	ubt, a	ll universities sho	ould g	ive a definition of
	(1)	common practice						
	(2)	wide-ranging offence .	what th	ey re	gard	as plagiarism		
	(3)	widespread reality						
	(4)	rare phenomenon	negligence	and (overs	ight		
Dire	ections	s for question number	61 to 65:					
Eacl	n of th	ne following questions c	onsists of a	relat	ed pa	air of words in ca	apital l	etters followed by
four	pairs	of words. Select the pa capital letters in each o	ir that best case.	expre	esses	a relationship shi	mai u	o trai expressed in
61.		MENCY: MERCY						
01.	(1)	autocratic : democrati	.c	(2)	strii	ngent : lenient		
	(3)	love : affection		(4)		tal : gentle		_
	(5)							
62.	TRE	E : FLOWER						•
	(1)	sea : boat (2)	iron : clotl	a	(3)	bread : sweet	(4)	hand : finger
63.	CIT	Y : TOWN						
	(1)	forest : road	•	(2)		rn : needle		
	(3)	village : hamlet		(4)	pip	eline : street		
64.	GO	LD : SILVER						
	(1)	diamond : ruby		(2)		klace : pearls		
	(3)	ring : diamond	÷	(4)	baı	ngles : gold		
65	T/TN	ND : GENEROUS						
65.		cruel : soft		(2)	me	etal : stone		
	(1)	loving : affectionate		(4)		end : save		
	(3)	with antechorate		(*)	~r\	-		
				-	_			рто

Directions for question number 66 to 75:

In all these questions, either a part or the whole of the sentence is underlined. The sentence is followed by four ways of writing the underlined part. Select the alternative which represents the correct way of writing the underlined part as standard written English.

- 66. To stop corruption and maladministration in institutions, there is always laws and improvements.
 - (1) leaders must be allowed to use more power.
 - (2) there must be strict laws that are implementable.
 - (3) you should be responsible.
 - (4) people must work hard with officials.
- 67. Because of the negligence of the bus driver, many lives would have been saved yesterday.
 - (1) could have been saved
- (2) were lost
- (3) did not reach the hospital
- (4) must have reached home
- 68. You should be able to rely on the university having a code or procedure to have conducted examinations and interviews.
 - (1) for everyone at intervals and leave periods.
 - (2) convenient for examinations and interviews.
 - (3) for conducting examinations and interviews.
 - (4) to conduct and not to conduct exams and interviews.
- 69. Your oral representations to the inquiry officer should have confirmed in writing always.
 - (1) should be confirmed always in writing
 - (2) should always confirm in writing
 - (3) must not depend on writing
 - (4) cannot be followed by writing
- 70. The unhygienic environment in which children grow should be the historical neglect of health care systems in countries like India.
 - (1) should not be
- (2) is due to
- (3) not so much
- 4) does not
- 71. In a multicultural society, it is always necessary to cultivate tolerance to other faiths and cultures and respect each.
 - (1) enact laws as per the direction of the government.
 - (2) cultivate tolerance and respect towards each other's faith and culture.
 - (3) engage the different faiths and cultures.
 - (4) persuade the majority to tolerate the other faiths.
- 72. History has offered us so many lessons from the past, but few are not ready to learned lessons.
 - (1) but the past is past, no use learning.
 - (2) but we cannot learn anything everyday.
 - (3) but very few seem to have learnt some lessons from the past.
 - (4) but it is not possible to learn lessons from history.

73.	You a	re at liberty to express your view:	s <u>as lo</u> r	ng you should not affect other's freedom.
	(1)	as long as you deny other's freed	om.	
	(2)	as long as you do not step on oth	er's fre	edom.
	(3)	as long as you do not give up.		
	(4)	as long as others allow you to sp	eak.	
74.		easonable to complain, if an organ stomers.	nisatio	n has failed to fulfil any promised to its clients
		agreement signed	(2)	promise made to its
	(3)	understanding with	(4)	failure to promise
75.	It car	he difficult to get any decision to	o revie	w unless and if reasons have given.
75.	(1)	to be reviewed, if no reasons give	en	
	(2)	unless reviewed with reasons		
	(3)	reviewed unless reasons have be	en give	en
	(4)	review if reasons are given		
	(/	-		•5
Each	of th	for question number 76 to 80: ese questions consists of an idion the correct meaning of the idiom.	n, follo	wed by four alternatives. Select the alternative
76.	Run	into rough weather:		•
	(1)	running in cold weather	(2)	meet with difficulties
	(3)	run away from race	(4)	withdraw from battle
77.	Beat	about the bush :		
	(1)	not saying something directly	(2)	clearing the grass
	(3)	waiting to catch a bird	(4)	quarrelling loudly
78.	Hit	the nail on its head :		C (1) weather
	(1)	driving a nail	(2)	pointing to the crux of the matter
	(3)	hitting the iron	(4)	wasting one's time
79.	The	cat is out of the bag:		. to all and
	(1)	allow to go	(2)	come out with the truth
	(3)	making things happen	(4)	telling a lie
80.	In a	nutshell :		
appeting on	(1)	packed tightly	(2)	
	(3)	very briefly	(4)	without hiding
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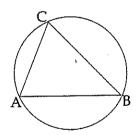
ions.

TEST - III

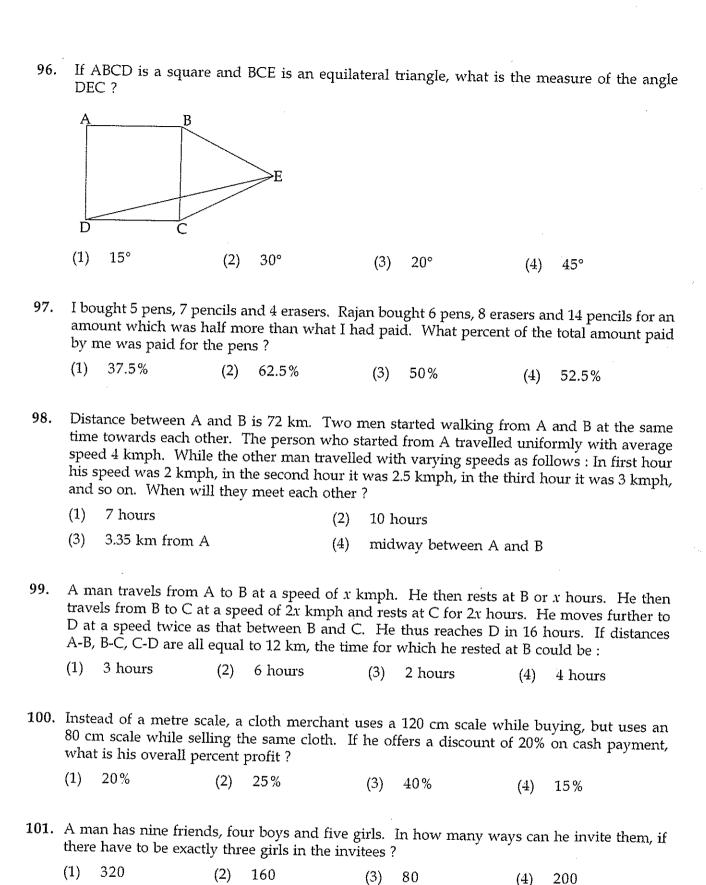
QUANTITATIVE APTITUDE

81.	The mack	value of a ma hine is ₹ 60,000 its	chine s valu	e depreciates @ e after 2 years wi	15% ll be :	per annum.	[f the	price of a nev
	(1)	₹ 43,350	(2)	₹ 45,000	(3)	₹ 52,570	(4)	₹ 51,750
82.	80%	of $P=40\%$ of Q a	ınd Q	=X% P. Then the	e valu	e of X is :		
	(1)	360	(2)	200	(3)	300	(4)	250
83.	The 2 yea	population of a t ar ago was :	own:	increase by 10%	every	year. If it is 16	093 n o	ow, its population
	(1)	13300	(2)	14200	(3)	14750	(4)	15265
84.	If A	: B is 2:3 and B:	C is 3	3 : 4 then A : C is	equal	to:		
	(1)	2:3	(2)	6:7	(3)	5:6	(4)	1:2
85.	If the	numerator of a f	ractio	n is increased by	15% a	and the denomina	tor is	increased by 10%
	then	the value of the f	ractio	n is $\frac{15}{26}$. The original	ginal f	raction is :		
	(1)	130 223	(2)	158 229	(3)	133 462	(4)	165 299
86.	X vai If Y i	ries directly as Y v s changed to 20 tl	aries hen th	and Z varies inve ne values of Z is :	rsely a	as Y varies. At a t	ime Y	=10, X=20, Z=5
	(1)	2.5	(2)	5	(3)	10	(4)	3
87.	If a broke	oox containing 10 on mirrors to unb) mirr roken	ors is dropped w mirrors.	hich	of the following	can n	ot be the ratio of
	(1)	1:1	(2)	2:3	(3)	3:2	(4)	3:4
88.	5 (P's	s Capital) = 10 (Q'	s Cap	ital)=15 (R's Cap	oital) t	hen the ratio of t	their c	apital is :
		6:3:2	(2)	2:7:9		8:5:3	(4)	2:3:1

89.		difference betwee			₹ 500	and two successi	ve dis	counts of 45% and
	(1)		(2)		(3)	₹ 10	(4)	₹ 12.25
90.		an rows upstrean current is :	n 10 ki	m and downstrear	n 20 l	km taking 4 hrs ea	ach tin	ne. The velocity of
	(1)	2 kmph	(2)	2.5 kmph	(3)	1.25 kmph	(4)	1.5 kmph
91.	A bo The	oat goes 50 km uj speed of the boat	pstrea t in sta	m in 10 hours and anding water is:	d a di	stance of 40 km.	Dowi	nstream is 9 hours.
	(1)	4.9 kmph	(2)	5.2 kmph	(3)	4.5 kmph	(4)	4.72 kmph
92.	into	four pieces with	weigh	es directly as the ts in the ratio 1 : 2 original price of t	:3:4	. When the piece:	Once, t s were	his diamond broke sold, the merchant
	(1)	₹ 1.4 lakh	(2)	₹ 2.0 lakh	(3)	₹ 1.0 lakh	(4)	₹ 2.1 lakh
93.	A co	ube of side 12 cm 3 cm. What is th	is pai	inted red on all thal number of smal	ie face ler cu	es and then cut ir bes having none	nto sm of the	aller cubes, each of ir faces painted?
	(1)	16	(2)	8	(3)	12	(4)	24
94.		figures show a carea of triangle A		of diameter AB an	d rađ	ius 6.5 cm. If cho	ord CA	A is 5 cm long, find



- 60 sq.cm (1)
- (2) 30 sq.cm
- 40 sq.cm (3)
- (4)52 sq.cm
- In a locality, two-thirds of the people have cable-TV, one-fifth have VCR, and one-tenth have both, what is the fraction of people having either cable TV or VCR?
 - (1)
- (3)
- (4)



102.	How half	many men need the job in seven d	to be lavs ?	employed to c	omplete z	a job in five day:	s if ten	men can complete
	(1)	7	(2)	14	(3)	28	(4)	30
103.	to go	out and Vijai fir 20 days instead	iishes of Aja	the remaining i, then Ajai w	work in ould have	the next 30 days completed the	s. If Vij remair	r 20 days, Ajai has jai had gone away iing work in : 35 days
104.	146	average height o cm leaves the clas 5 cm. The heigh	ss and	a new studer	ıt joins th	6.5 cm. If one e class, then the	studen averag	t with a height of ge height increases
	(1)	157 cm	(2)	166 cm	(3)	170 cm	(4)	176 cm
105.	A nu	amber is increased ber, find out by	d by 2 what p	0% and again percentage sho	increased ould the i	by 20%. In ord	er to ge er be re	et back the original duced ?
	(1)	21 $\frac{11}{31}\%$	(2)	$30\frac{5}{9}\%$	(3)	43%	(4)	30 \(\frac{4}{9}\%\)
106.	A sh	opkeeper allows e of the watch is	a disc ₹ 450,	ount of 10% or then what is	n a watch the marke	and still makes ed price ?	a profit	of 12%. If the cost
	-	₹ 520	(2)	₹ 540	(3)	₹ 560	(4)	₹ 490
107.	A tr	ack is in the for amference is 396	m of a	a ring, whose s. The width	inner cir of the trac	rcumference is : ck is :	352 me	tres and the outer
	(1)	44 m	(2)				(4)	7 m
108.	Thre	ee glasses of equa	al vol	times are $\frac{1}{2}$,	$\frac{2}{3}$ and $\frac{3}{4}$	full of milk res	pective	ly. The remaining
	port into	tion of all the glass a container. The	sses is e ratio	filled up with of milk and v	n water. 🧐 vater in tl	The mixture in t he container is :	he thre	e glasses is poured
	(1)	23:12	(2)	23:13	(3)	23:14	(4)	23:15
109.	A a	nd B are two nur n their ratio becor	nbers nes 3	which are in the s	he ratio 2 sum of A	: 3. I f 3 is adde and B .	ed to bo	oth of the numbers,
	(1)	11	(2)	14	(3)	15	(4)	20
110.								on of $\frac{1}{3} : \frac{1}{4} : \frac{1}{5}$. A
	with	hdraws half of hi	s capite of C	tal after 15 mo is :	nths and	after another 15	month	s, a profit of ₹ 4340
	(1)	1550	(2)		(3)	1240	(4)	1245
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Directions for question number 111 to 115:

The following table gives the enrolment in Higher Secondary Schools in 2013. Study the table carefully and answer these questions.

Enrolment	No. of Schools
20 - 39	526
40 - 59	620
60 - 79	674
80 - 99	717
100 - 119	681
120 - 139	612
140 - 159	540
160 - 179	517
180 - 199	522
Total	5409

111. What is the approximate percentage of schools, where the enrolment was below	TTI.	what is the approximate	percentage of schools	, where the enrolment w	ras below 120
---	------	-------------------------	-----------------------	-------------------------	---------------

- (1) 59.16
- (2) 69.27
- (3) 70
- (4) 71

112. What is the approximate percentage of schools, where the enrolment was above 79 but below 180 ?

- (1) 50
- (2) 56.39
- (3) 67
- (4) 75.29

113. Under which class does the maximum number of schools fall?

- (1) 100 119
- (2) 80 99
- (3) 60 79
- (4) None of these

114. What is the approximate percentage of the least number of schools for the classes of enrolment?

- (1) 8
- (2) 9.5
- (3) 19.5
- (4) 25.5

115. What is the number of schools where the enrolment is above 99 but below 160?

- (1) 2550
- (2) 2033
- (3) 1833
- (4) 1316

Directions for question number 116 to 120: Use the following data:

ABC Software Co., before selling a package to its clients, follows the given schedule:

Month	Stage	Cost (₹ '000 per man-month)
1 - 2	Specification	40
3 - 4	Design	20
5 - 8	Coding	10
9 - 10	Testing	10
11 - 15	Maintenance	10

The number of people employed in each month is:

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
No. of people employed	2	3	4	3	4	5	5	4	4	1	3	3	1	1	1

- 116. Due to overrun in Design, the Design stage took three months, i.e. months 3, 4 and 5. The number of people working on Design in the fifth month was 5. Calculate the percentage change in the cost incurred in the fifth month. (due to improvement in "Coding" technique, the stage was completed in months 6 8 only).
 - (1) 225%
- (2) 150%
- (3) 275%
- (4) 240%
- 117. With reference to the above question, what is the cost incurred in the new "Coding" stage? (Under the new technique, 4 people work in the sixth month and 5 in the eighth).
 - (1) ₹ 1,40,000
- (2) ₹ 1,50,000
- (3) ₹ 1,60,000
- (4) ₹ 1,70,000
- 118. Under the new technique, which stage of Software Development is most expensive for ABC Software company?
 - (1) Testing
- (2) Specification
- (3) Coding
- (4) Design
- **119.** Which five consecutive months have the lowest average cost per man-month under the new technique?
 - (1) 1-5
- (2) 9 13
- (3) 11 15
- (4) 16 20
- 120. What is the difference in the cost between the old and the new techniques?
 - (1) ₹ 30,000
- (2) ₹ 60,000
- (3) ₹ 70,000
- (4) ₹ 40,000

- 121. Which of the following numbers is divisible by 3?
 - (1) 24357806
- (2) 35769812
- (3) 83479560
- (4) 3336433

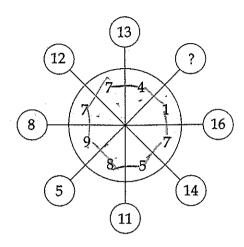
122.	The su	ım of two intege	rs is –	25. If one of the	em is 3	30 then the other	is:	
		55		5	(3)	- 55	(4)	- 5
123.	The la	argest of the frac	tions $\frac{4}{5}$	$\frac{1}{5}$, $\frac{4}{7}$, $\frac{4}{9}$, $\frac{4}{11}$ is:	:			
	(1)	$\frac{4}{11}$	(2)	$\frac{4}{5}$	(3)	$\frac{4}{7}$	(4)	4/9
124.		x::25:35 ther			(2)	54	(4)	45
	(1)	63	(2)	72	(3)	. ·	(-)	
125.		of a circle with 1	radius	ʻr' is:				
	(1)	$\frac{\pi i^2}{2}$	(2)	πr^2	(3)	2πr	(4)	πr
126.	A ga	s pipe is an exan	nple of	: a:				
	(1)	Cuboid	(2)	Cube	(3)	Cone	(4)	Cylinder
		1	المعنسا	about :				
127	. A rn (1)	ombus is symme the line joining		idpoints of its op	posite	sides		
	(2)	each of its diag		•				
	(3)			rs of each of its	sides			
	(4)	each of its side	S					
128	. The	value of 8967×	637 + 8	3967×363 is:				
	(1)	363000	(2)	8967000	(3)	2497680	(4)	5497680
129	. Hov	v many prime n	umber	s are there betw			(4)	
	, (1)	0	(2)	1	(3)	2	(4)	3
130). The	greatest numbe pectively is :	er by v	which when 258	and :	323 are divided	leave	remainders 2 and
	(1)	16	(2)	32	(3)	64	(4)	128

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TEST-IV

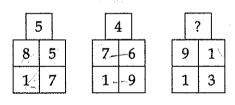
REASONING

131. What number should replace the question mark?



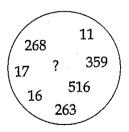
- (1) 17
- (2) 8
- (3) 9
- (4) 15

132. What number should replace the question mark?



- (1) 7
- (2) 5
- (3) 6
- (4)

133. What number should replace the question mark?



- (1) 13
- (2) 14
- (3) 15
- (4) 12

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134. Which letter is midway between the letter two letters below the letter immediately to the left of the letter G, and the letter three letters above the letter immediately to the right of the letter V?

	A	В	С	D	E	
	F_	G	Ħ	I	J	
ľ	K	L	M	N	0	
	P -	Q	Ŗ	S	T	
	U	V:	W	Х	Y	Z

- (1) L
- (2) M
- (3) N
- (4) O

135. What goes into the empty square?

	0	7	2	4	12	6	3
•		7.	9.*	6		18	9

- (1) 13
- (2) 14
- (3) 16
- (4) 12

Directions for question numbers 136 - 139 : Look at this series given below. What numbers should come next?

136. 6, 10, 14, 18, 22, 26, 30

- (1) 36, 40
- (2) 33, 37
- (3) 38, 42
- (4) 34, 38

137. 2, 44, 4, 41, 6, 38, 8

- (1) 10, 12
- (2) 35, 32
- (3) 34, 9
- (4) 35, 10

138. 14, 14, 26, 26, 38, 38, 50

- (1) 60, 72
- (2) 50, 62
- (3) 50, 72
- (4) 62, 62

139. 4, 7, 26, 10, 13, 20, 16

- (1) 14, 4
- (2) 14, 17
- (3) 18, 14
- (4) 19, 14

140.	Look	cat this series :	J14, L1	6,,	P20, R2	2,			
- 1 ₇ - 14.4	Wha	t number shoul	d fill th	e blank ?					
uip Mu	(1)	S24	(2)	N18	(3)	M18	(4)	T24	
y a		10							
141.	Look	c at this series :				XX,			
		t number shoul			,				
:	(1)	IX	(2)	XXIII	(3)	XV	(4)	XVII	
142.		c at this series :			, 12,	·			
	Wha	t number should	d fill th	e blank ?					
	(1)	II	(2)	IV	(3)	IX	(4)	14	
a judg given	The s during asked	s for question nate regarding that passes the way and the recess aided tipal?	nticular has rec	r circumstance. ceived complain investigate an	Answer of Answer	each one sole parents abo is situation	ly on the bas out bullying as soon as	is of the information in the school ypossible, so he	ation vard has
	(1)	A girl is sitting	gluml	y on a bench re	eading a	book and n	ot interacti	ng with her pe	ers.
	(2)	Four girls are s	urroun	ding another g	girl and s	seem to hav	e possessioi	n of her backpa	ıck.
	(3)	Two boys are plasket score.	playing	a one-on-one	game of	basketball	and are arg	guing over the	last
	(4)	Three boys are school grounds		ed over a hand	dheld vio	leo game, v	vhich isn't s	supposed to be	on
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- 144. Mrs. Jansen recently moved to Arizona. She wants to fill her new backyard with flowering plants. Although she is an experienced gardener, she isn't very well-versed in what plants will do well in the Arizona climate. Also, there is a big tree in her backyard making for shady conditions and she isn't sure what plants will thrive without much direct sunlight. Her favorite gardening catalog offers several backyard seed packages. Which one should Mrs. Jansen choose?
 - (1) The Rainbow Collection is ideal for Northeast gardens. It includes a variety of colorful perennials that thrive in cool, moist conditions.
 - (2) The Greenhouse Collection will blossom year after year if planted in brightly lit locations and watered regularly.
 - (3) The Treehouse Collection will provide lush green plants with delicate colorful flowers that thrive in shady and partially shady locations.
 - (4) The Oasis Collection includes a variety of perennials that thrive in dry climates and bright sunlight.
- 145. Mark is working with a realtor to find a location for the toy store he plans to open in his town. He is looking for a place that is either in, or not too far from, the center of town and one that would attract the right kind of foot traffic. Which of the following locations should Mark's realtor call to his attention?
 - (1) a storefront in a new high-rise building near the train station in the center of town whose occupants are mainly young, childless professionals who use the train to commute to their offices each day.
 - (2) a little shop three blocks away from the town's main street, located across the street from an elementary school and next door to an ice cream store.
 - (3) a stand-alone storefront on a quiet residential street ten blocks away from the town's center.
 - (4) a storefront in a small strip mall located on the outskirts of town that is also occupied by a pharmacy and a dry cleaner.
- 146. Mrs. Carson took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her bag in the taxi. As the taxi pulled away, she and her friends took notice of the license plate number so they would be able to identify the car when they called the taxi company. The four license plate numbers below represent what each of the four women thinks she saw. Which one is most likely the license plate number of the taxi?
 - (1) JXK 12L
- (2) JYK 12L
- (3) JXK 12I
- (4) JXX 12L

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Directions: Answer question 147 solely on the basis of the following information:

When a new employee is hired at the law firm, a human resources representative should take the following steps on the employee's first day of work.

- (a) Greet the employee in the reception area and offer him/her coffee or tea.
- (b) Take the employee back to the human resources office and have him/her complete a general information questionnaire, a healthcare insurance form, and a tax form.
- (c) Take a photograph of the employee for his/her identification card.
- (d) Issue the employee a temporary identification card.
- (e) Walk the employee to the department in which he/she will be working and introduce him/her to his/her colleagues.
- (f) Bring the employee to his/her office or cubicle.
- 147. It is Kate Milford's first day of work as a paralegal at the law firm of Jasper, Jenkins and Mead. Taylor Franklin, the human resources manager, greets Kate in the reception area and gets her a cup of tea as they walk back to the human resources office. Taylor asks Kate to sit at a table and fill out three forms. While Kate completes the forms, Taylor checks her messages and asks her secretary to confirm a meeting she has for later that morning. Taylor then takes a photograph of Kate that will be used on her company identification card. As Taylor walks Kate over to the paralegal department, she tells her that the identification card should be ready in a couple of days. Taylor introduces Kate to her new colleagues, who all greet her quite warmly, and then shows her to her new cubicle, jots down her phone extension, and says that Kate should call her if she has any questions at all. Taylor Franklin's actions were.
 - (1) proper, because she is the human resources manager and knows how to greet a new employee.
 - (2) improper, because she did not spend enough time making sure that Kate was comfortable.
 - (3) proper, because she told Kate that she should feel free to call her if she had questions.
 - (4) improper, because she did not issue a temporary identification card.

Directions: Answer questions 148 through 150 on the basis of the information below.

The government of an island nation is in the process of deciding how to spend its limited income. It has \$7 million left in its budget and eight programs to choose among. There is no provision in the constitution to have a surplus, and each program has requested the minimum amount they need; in other words, no program may be partially funded. The programs and their funding requests are:

• Hurricane preparedness: \$2.5 million

Harbor improvements: \$1 million

• School music program: \$0.5 million

Senate office building remodelling: \$1.5 million

Agricultural subsidy program: \$2 million

National radio: \$0.5 million

Small business loan program: \$3 million

• International airport: \$4 million

148. If the legislature decides to fund the agricultural subsidy program, national radio, and the small business loan program, the only other single program that can be funded is:

(1) hurricane preparedness

(2) harbor improvements

(3) school music program

(4) senate office building remodelling

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149. If the legislature decides to fund the agricultural subsidy program, national radio, and the small business loan program, what two other programs could they fund?

- (1) harbor improvements and international airport
- (2) harbor improvements and school music program
- (3) hurricane preparedness and school music program
- (4) hurricane preparedness and international airport

150. Senators from urban areas are very concerned about assuring that there will be funding for a new international airport. Senators from rural areas refuse to fund anything until money for agricultural subsidies is appropriated. If the legislature funds these two programs, on which of the following could they spend the rest of the money?

- (1) the school music program and national radio
- (2) hurricane preparedness
- (3) harbor improvements and the school music program
- (4) small business loan program

Directions: Answer questions 151 through 153 on the basis of the information below:

A cinema complex with six movie theaters never shows the same movie in more than one theater. None of the theaters is the same size as any other, with number 1 being the largest and going in order to number 6, the smallest. The theater also has the following rules.

- It will never show more than two R-rated movies at once.
- It will always show at least one G-rated movie and one PG-rated movie in the two middle sized theaters (theaters 3 and 4).
- It will never show more than one foreign film at a time and never in the biggest theater.
- The starting times of movies will be staggered by fifteen minutes and will always be on the quarter hour.
- Employees need twenty minutes between showings to clean the theaters.

The cinema has the following films to choose from this particular week:

Shout, rated R

Que Pasa, a Spanish film rated PG

Abra Cadabra, rated G

Lessons, rated R

Jealousy, rated PG

Mist, a Swedish film rated R

Trek, rated NC-17

Fly, rated G

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151. Which one of the following is an acceptable listing of films to show this week?

- (1) Shout, Mist, Trek, Que Pasa, Fly and Jealousy
- (2) Shout, Mist, Trek, Fly, Jealousy and Abra Cadabra
- (3) Que Pasa, Lessons, Mist, Shout, Abra Cadabra and Trek
- (4) Shout, Lessons, Mist, Trek, Fly and Jealousy

152. If *shout* starts at 8 : 30, *Mist* at 8 : 15, *Trek* at 8 : 00, *Fly* at 7 : 45, *Jealousy* at 7 : 30, and *Abra Cadabra* at 7 : 15 and each movie is exactly two hours long, at what time will the next showing of *Trek* start?

- (1) 10:00
- (2) 10:15
- (3) 10:30
- (4) 10:45

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	1110 1110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	uic bi	howing in the foll	lowin	g tneaters :						
	Theater	r 1 : Shout										
	Theater	r 2 : Trek										
	Theater	r 3 : Abra Cadal	ra									
	Theater	r 4 : Jealousy										
	Theater	r 5 : <i>Fly</i>										
	Theater	r 6 : Mist			•							
	Shout is doing the most business, followed by <i>Trek</i> and to the management's surprise, <i>Mist</i> . The management wants to move <i>Mist</i> to a larger theater. Which theater is the most logical?											
	(1) T	heater 1	(2)	Theater 2	(3)	Theater 3	(4)	Theater 5				
Dire	ctions :	Answer question	ns 154	4 and 155 on the b	asis o	f the information b	elow :					
profe Saral	At a Halloween party where people were asked to dress as an object that represented their professions, Quentin, Rachel, Sarah, Thomas and Ulysses were among the guests. Rachel and Sarah are women. The costumes included a flower, a pencil, a spoon, a camera and a thermometer. The professions included a photographer, a florist, a doctor, an accountant and a chef.											
	Quentin is an accountant.											
•	Quenti	n is an account	ant.									
*	_			as dressed as a s	poon.							
	Neither		rah w	•	poon.							
•	Neither	r Rachel nor Sa	rah w loctor	:. :.	poon.							
•	Neither None o	r Rachel nor Sar	rah w loctor	:. :.	poon.							
* * *	Neither None o Thomas Sarah is	r Rachel nor San of the men is a d s is dressed as a s a florist.	rah w doctor a cam	:. :.	poon.							
* * *	Neither None of Thomas Sarah is Which	r Rachel nor San of the men is a d s is dressed as a s a florist.	rah w doctor a cam	c. nera.	poon.	Sarah	(4)	Thomas				
* * *	Neither None of Thomas Sarah is Which	r Rachel nor San of the men is a d s is dressed as a s a florist. person is dresse	rah w loctor a cam ed as	a thermometer ?	•		(4)	Thomas				
	Neither None of Thomas Sarah is Which (1) Q	r Rachel nor San of the men is a d s is dressed as a s a florist. person is dresse	rah w doctor a cam ed as (2)	era. a thermometer ? Rachel	•		(4)	Thomas				
	Neither None of Thomas Sarah is Which (1) Q	r Rachel nor San of the men is a d s is dressed as a s a florist. person is dresse Quentin	rah w doctor a cam ed as (2)	era. a thermometer ? Rachel	•		(4) (4)	Thomas				

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Directions: Answer questions 156 flirough 158 on the basis of the information below: At a small company, parking spaces are reserved for the top executives: CEO, President, Vice President, Secretary and Treasurer - with the spaces lined up in that order. The parking lot guard can tell at a glance if the cars are parked correctly by looking at the color of the cars. The cars are yellow, green, purple, red and blue, and the executives' names are Alice, Bert, Cheryl, David and Enid. The car in the first space is red.(\bigcirc \bigcirc A blue car is parked between the red car and the green car. The car in the last space is purple. The Secretary drives a yellow car. Alice's car is parked next to David's. Enid drives a green car. Bert's car is parked between Cheryl's and Enid's. David's car is parked in the last space. 156. What color is the Vice President's car? (1)green yellow (2)(3) blue (4)purple 157. Who is the CEO? (1)Alice (2)Bert (3)Cheryl (4)David **158.** Who is the Secretary? (1) Enid (2)David (3)Cheryl (4)Alice Directions: Answer questions 159 through 161 on the basis of the information below: Five towns - Fulton, Groton, Hudson, Ivy and Jersey - which are covered by the same newspaper, all have excellent soccer teams. The teams are named the Panthers, the Whippets, the Antelopes, the Kangaroos, and the Gazelles. The sports reporter, who has just started at the newspaper, has to be careful not to get them confused. Here is what she knows: The team in Fulton has beaten the Antelopes, Panthers and Kangaroos. The Whippets have beaten the teams in Jersey, Hudson and Fulton. The Antelopes are in Groton. The team in Hudson is not the Kangaroos. 159. Where are the Whippets? (1)Fulton (3)Hudson Groton (4)160. Where are the Panthers? (1)Ivy (2)Jersey (3)Fulton (4)Hudson

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162. Find the two statements that together prove that: RUPERT HAS MORE REAL ESTATE THAN KERRY. Rupert has more real estate than everyone he went to school with. (a) The High Flier's Tennis Club has very wealthy members. (b) Of everyone he plays tennis with, Rupert has the most real estate. (c) (d) Kerry is a member of the High Flier's Tennis Club where Rupert often plays tennis. Rupert did not go to school with Kerry, but plays tennis with him at the club. (e) (b) and (d) (1) (a) and (e) (2)(b) and (c) (3) (4)(c) and (e) 163. For years the beautiful Renaissance buildings in Palitito have been damaged by exhaust from many tour buses that come to the city. There has been little parking space, so most buses have idled at the curb during each stop on their tour, and idling produces as much exhaust as driving. The city has now provided parking that accommodates a third of the tour buses, so damage to Palitito's buildings from the buses' exhaust will diminish significantly. Which of the following, if true, most strongly supports the argument? The exhaust from Palitito's few automobiles isn't a significant threat to the buildings. Palitito's Renaissance buildings are not threatened by pollution other than engine (2)exhaust. Tour buses typically spend less than one-quarter of the time they are in Palitito (3) transporting passengers from one site to another. Most tourists come to Palitito by tour bus than by any other single means of transportation. 164. Northern Air has dozens of flights daily into and out of Belleville Airport, which is highly congested. Northern Air depends for its success on economy and quick turnaround and consequently is planning to replace its large planes with Skybuses, whose novel aerodynamic design is extremely fuel efficient. The Skybus' fuel efficiency results in both lower fuel costs and reduced time spent refueling. Which of the following, if true, could present the most serious disadvantage for Northern Air

The Skybus would enable Northern Air to schedule direct flights to destinations that

The fuel efficiency of the Skybus would enable Northern Air to eliminate refueling at

The aerodynamic design of the Skybus causes turbulence behind it when taking off

Aviation fuel is projected to decline in price over the next several years.

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some of its destinations, but several mechanics would lose their jobs.

that forces other planes on the runway to delay their takeoffs.

Whippets

(3)

(4)

Kangaroos

1

1

Gazelles

(2)

in replacing their large planes with Skybuses?

currently require stops for refueling.

161. What team is in Fulton?

(1)

(1)

(2)

(3)

(4)

Panthers

165. Roland: The alarming fact is that 90 percent of the people in this country now report that they know someone who is unemployed.

Sharon: But a normal, moderate level of unemployment is 5 percent, with 1 out of 20 workers unemployed. So at any given time if a person knows approximately 50 workers, 1 or more will very likely be unemployed.

Sharon's argument is structured to lead to which of the following as a conclusion?

- (1) The fact that 90% of the people know someone who is unemployed is not an indication that unemployment is abnormally high.
- (2) The current level of unemployment is not moderate.
- (3) If at least 5% of workers are unemployed, the result of questioning a representative group of people cannot be the percentage Roland cites.
- (4) It is unlikely that the people whose statements Roland cites are giving accurate reports.
- 166. Which of the following most logically completes the argument?

Although the pesticide TDX has been widely used by fruit growers since the early 1960's, a regulation in force since 1960 has prohibited sale of fruit on which any TDX residue can be detected. That regulation is about to be replaced by one that allows sale of fruit on which trace amounts of TDX residue are detected. In fact, however, the change will not allow more TDX on fruit than was allowed in the 1960's, because:

- (1) Pre-1970 techniques for detecting TDX residue could detect it only when it was present on fruit in more than the trace amounts allowed by the new regulations.
- (2) Many more people today than in the 1960's habitually purchase and eat fruit without making an effort to clean residues off the fruit.
- (3) People today do not individually consume any more pieces of fruit, on average, than did the people in the 1960's.
- (4) At least a small fraction of the fruit sold each year since the early 1960's has had on it greater levels of TDX than the regulation allows.

167.	Pointing to a ma	n on the stage, Sushmita said, "He is the brother of the daughter of the wife
	of my husband.	"How is the man on the stage related to Sushmita?

- (1) Son
- (2) Husband
- (3) Cousin
- (4) Nephew

168. Cherian said, 'This girl is the wife of the grandson of my mother'. What is Cherian to the girl?

- (1) Father
- (2) Grandfather
- 3) Husband
- (4) Father-in-law

169.	Point Rame	ing to a boy, Rasesh related to tha	mesh t boy	said, "His only b ?	rothe	r's mother is my	fathe	r's wife". How is
	(1)	Uncle	(2)	Father	(3)	Nephew	(4)	Brother
				er's daughter. Ho				
	(1)	Father	(2)	Sister code number 42,	(3)	Brother	(4)	Maternal Uncle
171.	If RA	AIN could be give	en the	code number 42;	what	code number car	ı be gi	iven to SUN ?
	(1)	45	(2)	51	(3)	54 62	(4)	32
172.	If BA	AG=30 and BAD) = 21,	then DEED=?			,	
	(1)	18	(2)	36	(3)	62	(4)	72
	In a writ) 1 certain code RA ten in that code ?	でした ID is	written as 5126	and N	3 / 5 NEAR is written	as 73	15. How is DINE
00	(1)	6253	(2)	6273	(3)	6723	(4)	1273
174.	A sl	nopkeeper uses a ₹3, and so on. U	code Ising t	name 'BUDGETA he same code, fin	\mathbb{R}' wi	ith a value of ₹ 30 the price of 'BUT	6, who	ere B=₹1, U=₹2, ?
	(1)	₹ 30	(2)	₹ 28	(3)	₹ 24 6 ₹ 5 ↑ 8	(4)	₹ 38
175	If the	ne word 'TENO AINED' ?	R' is	coded as 'RON	ET', v	what should be	the v	vord for the code
	(1)	BGZHMDC	(2)	DIBJOFE	(3)	DNIEAHC	(4)	DENIAHC
176	will ans	he the meaningf	ul wo	rd? If more thar	n one	such word can be	e torn	ich of the following ned, mark 'S' as the NAIL, PAIL, RAIL,
	(1)	Χ	(2)	RAIL	(3)	MADAM	(4)	S
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177.	If th	e letters in the w	ا word ل iddle ii	NDERTAKII n order after	NG are re the rearra	earranged in th ngement ?	e alphab	etical order, which
	(1)	G	(2)	I	(3) (3)	K W J. YS	(4)	N
178.	Whice alph	ch letter in the wabet ?	ord C	4 4			ion as it	does in the English
	(1)	С	(2)	E	(3)	I	(4)	T
179.	and	e first and secor the fourth letters se seventh letter	s, the fi	fth and the si	rd DEPRI	ESSION were it s and so on, wh	nterchan nich of th	ged, also the third e following would
	(1)	R	(2)	0	(3)	S	(4)	P
180.	simil	arly the position	ns of tl	ne second an	d the sev	enth, the third	and the	are interchanged; eighth and so on, g the positions?
	(1)	E	(2)	I	(3)	S	(4)	T
Direc	ctions ers fro	for question r	umbe iatives :	r 181 - 183 : sets, that is si	In each o	of the following ne given set.	questions	s, choose that set of
		n Set : (9, 15, 21						
	(1)	(10, 14, 16)	(2)	(7, 21, 28)	(3)	(5, 10, 25)	(4)	(4, 8, 12)
182.	Give	n Set : (14, 23, 3	2)					
	(1)	(15, 23, 31)	(2)	(14, 19, 24)	(3)	(13, 21, 29)	(4)	(12, 21, 30)
183.	Give	n Set : (1, 8, 27)						
	(1)	(5, 12, 32)	(2)	(32, 39, 59)	(3)	(60, 79, 86)	(4)	(64, 125, 216)
184.	How by 7	many 5s are the and immediately	ere in t y follov	he following ved by 6 ?	number s	equence which	are imn	nediately preceded
	Term	s:75594 <u>5</u> 7	6459	8756764	32567	8		
	(1)	1	(2)	2	(3)	3	(4)	4
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Directions for question number 185-186: Following questions are based on the five three-digit numbers given below.

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- 185. If the positions of the first and the third digit within each number are interchanged, which of the following will be the third digit of the second lowest number?
 - (1) 9
- (2) 4
- (3) 7
- (4) 5
- **186.** Which of the following is the difference between the second digit of the lowest and the highest of these numbers?
 - (1) 3
- (2) 1
- (3) 2
- (4) 0

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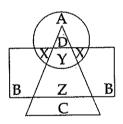
- 187. Anu and Vinay are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom in the class?
 - (1) 20th and 24th

(2) 24th and 20th

(3) 25th and 21st

(4) None of these

Directions for question number 188-192: In the following diagram, the circle represents College Professors, the triangle stands for Surgical Specialists, and Medical Specialists are represented by the rectangle.



- 188. College Professors who are also Surgical Specialists are represented by ?
 - (1) A
- (2) B
- (3) C
- (4) D
- 189. Surgical Specialists who are also Medical Specialists but not Professors are represented by :
 - (1) B
- (2) X
- (3) Y
- (4) Z

- 190. C represents:
 - (1) Medical Specialists
- (2) College Professors
- (3) Surgical Specialists
- (4) Medical and Surgical Specialists

1	91.	B represer	ıts	:
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- (1) Professors who are neither Medical nor Surgical Specialists
- (2) Professors who are not Surgical Specialists
- (3) Medical Specialists who are neither Professors nor Surgical Specialists
- (4) Professors who are not Medical Specialists

192. College Professors who are also Medical Specialists are represented by:

- (1) A
- (2) X
- (3) Y
- 4) Z

Directions for question number 193-195: Each of the questions below consists of a question and two statements numbered (I) and (II) given below it. You have to decide whether the data given in the statements are sufficient to answer the questions. Read both the statement and:

Give answer (1). if the data in statement (I) alone are sufficient to answer the question, while the data in statement (II) alone are not sufficient to answer the question.

Give answer (2). if data in statement (II) alone are sufficient to answer the question, while the data in statement (I) alone are not sufficient to answer the question.

Give answer (3). if the data either in statement (I) alone or statement (II) alone are sufficient to answer the questions.

Give answer (4). if the data in both statements (I) and (II) together are necessary to answer the questions.

- 193. Seventeen people are standing in a straight line facing south. What is Bhavna's position from the left end of the line?
 - (I) Sandeep is standing second to the left of Sheetal. Only five people stand between Sheetal and the one who is standing at the extreme right end of the line. Four people stand between Sandeep and Bhavna.
 - (II) Anita is standing fourth to the left of Sheetal. Less than three people are standing between Bhavna and Anita.
- **194.** Five letters A, E, G, N and R are arranged to the right according to certain conditions. Which letter is placed third?
 - (I) G is placed second to the right of A. E is to the immediate right of G. There are only two letters between R and G.
 - (II) N is exactly between A and G. Neither A nor G is at the extreme end of the arrangement.
- **195.** Six people S, T, U, V, W and X are sitting around a circular table facing the centre. What is T's position with respect to X?
 - (I) Only two people sit between U and W. X is second to the left of W. V and T are immediate neighbours of each other.
 - (II) T is to the immediate right of V. There are only two people between T and S. X is an immediate neighbour of S but not of V.

Directions for question number 196 to 199: A sales representative plans to visit each of six companies M, N, P, Q, R and S exactly once during the course of one day. She is setting up her schedule for the day according to the following conditions. She must visit M before N and R. She must visit N before O. (b) The third company she visits must be P. (c) 196. Which of the following must be true of the sales representative's schedule? She visits N before R She visits M before Q (2)(1)She visits P before S (4)She visits P before M (3)

197. If the sales representative visits S first, which company must she visit second?

(1) M (2) N (3) P (4) Q

198. The sales representative could visit any of the following companies immediately after P except:(1) S(2) R(3) Q(4) M

199. If the sales representative visits Q immediately before R and immediately after S, she must

visit Q:
(1) First (2) Second (3) Fourth (4) Fifth

200. Which of the following expressions will be true if the expression R > O = A > S < T as definitely true?

(1) O > T (2) S < R (3) T > A (4) S = O

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